ORDER NO. SD83052502C7

Service Manual

Hi-Fi Speaker System

SB-G910 (M)

[PA], [PC], [XA]

Areas

* [PA] is available in Far East PX.
* [PC] is available in European Audio Club.
* [XA] is available in Southeast Asia, Oceania, Africa, Middle Near East and Central South America.

Specifications

(Specifications are subject to change without notice for further improvement.)
Weight and dimensions shown are approximate.

Type:	4 way 5 speaker bass-reflex system
Speakers:	Woofer: 41 cm, cone type Midrange: 18 cm, cone type Tweeter: horn type Super Tweeter: horn type x 2
Impedance:	8 ohms
Input Power:	300 W, Music
Output Sound Pressure Level:	99 dB/W (1.0 m)
Crossover Frequency:	350 Hz, 3,500 Hz, 10,000 Hz
Frequency Range:	35 Hz ~ 30 kHz (−20 dB)
Dimensions:	46.4(W) x 72.0(H) x 30.9(D) cm
Weight:	17.5 kg

ESPECIFICACIONES

(Las especificaciones quedan sujetas a cambios sin aviso previo. El peso y las dimensiones indicados son aproximados.)

Tipo:	Sistema de reflexión de bajos con 5 altoparlantes de 4 vías
Altoparlantes:	"Woofer": tipo cónico, de 41 cm "Gama media": tipo cónico, de 18 cm "Tweeter": tipo bocina "Super tweeter": tipo bocina x 2
Impedancia:	8 ohmios
Capacidad de potencia:	300 W, música
Nivel de presión acústica de salida:	99 dB/W (1,0 m)
Frecuencia de cruce:	350 Hz, 3.500 Hz, 10.000 Hz
Alcance de frecuencia:	35 Hz ~ 30 kHz (−20 dB)
Dimensiones:	46,4(ancho) x 72,0(alto) x 30,9(prof.) cm
Peso:	17,5 kg

CARACTERISTIQUES

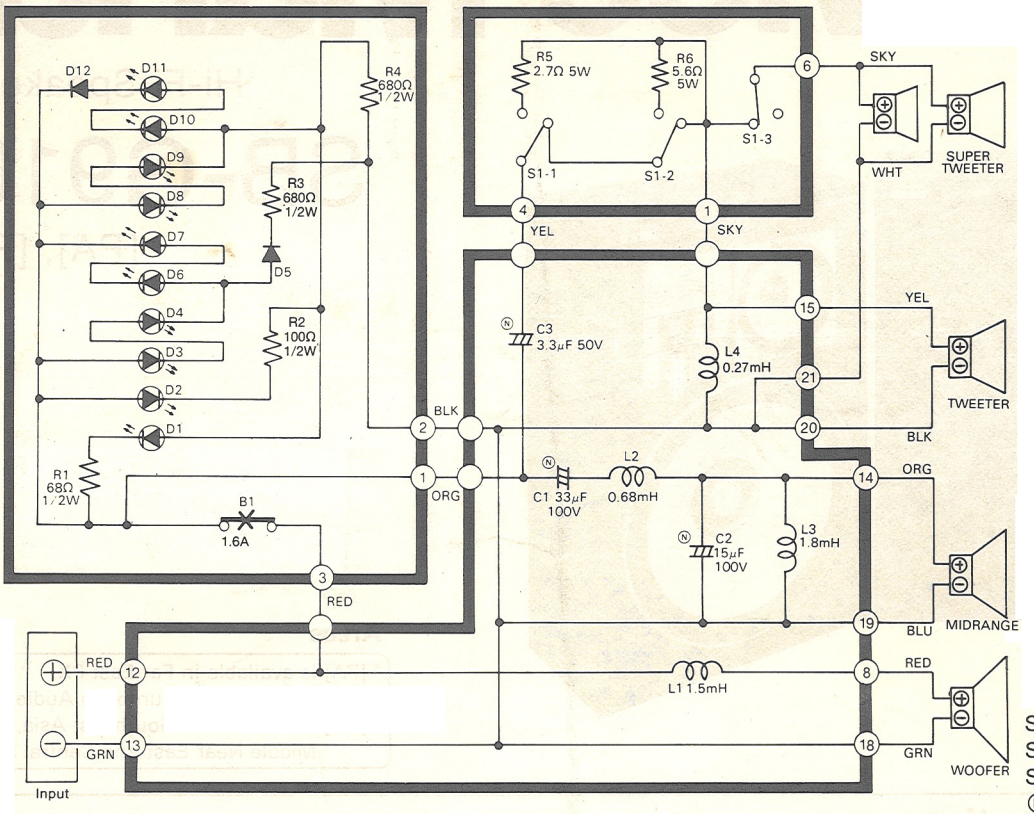
(Sujet à changement sans préaris.)

Type:	4 voies, 5 haut-parleurs, bass-reflex
Haut-parleurs:	graves: 41 cm, type à cône moyennes: 18 cm type à cône aigus: type à corne "Super haut-parleur" aigu: type à corne x 2
Impédance:	8 ohms
Entrée maximale:	300 watts, musique
Niveau de pression sonore de sortie:	99 dB/W (1,0 m)
Fréquence de commutation:	350 Hz, 3.500 Hz, 10.000 Hz
Gamme de fréquences:	35 Hz ~ 30 kHz (−20 dB)
Dimensions:	46,4(L) x 72,0(H) x 30,9(P) cm
Poids:	17,5 kg

Technics

■ SCHEMATIC DIAGRAM

(This schematic diagram may be modified at any time with the development of new technology.)



S1-1: High level −3dB
S1-2: High level −6dB
S1-3: MAX
Ⓝ: Non-Polar Capacitor

■ SERVICING METHOD

1. How to remove the attenuator switch (Fig. 1)

1) Using an eyeleteer or pincette, carefully remove the front ornament plate from the cabinet in the direction indicated by the arrow (see **Fig. 1**).
(The front ornament plate is affixed with double-sided adhesive tape.)
2) Remove the 4 screws (**Fig. 2**: ❶~❹) of the ornament frame and remove the ornament frame in the direction indicated by the arrow. Remove the switch holder from the cabinet.
3) Remove the knob in the direction shown by the arrow (See **Fig. 3**), by use of strong adhesive tape. Remove the 2 screws (**Fig. 4**: ❺~❽) from the attenuator holder. Then remove the attenuator switch from the P.C.B. after taking off the solder of the terminal.

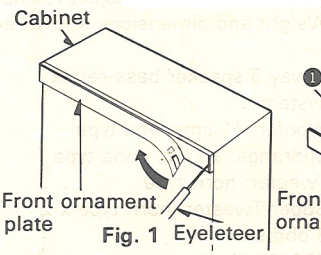


Fig. 1

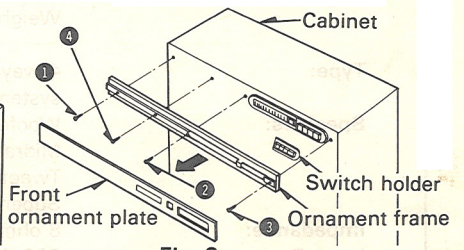


Fig. 2

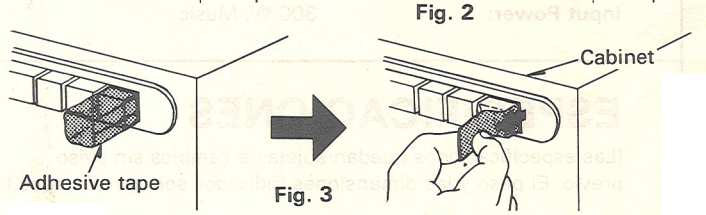


Fig. 3

2. How to remove the LED output level

1) Remove the ornament plate. (Refer to Section 1.)
2) Take out the LED assembly and the attenuator P.C.B. from the cabinet. (Refer to Section 1-1).
3) Remove the solder from the LED and breaker terminals. Then remove the LED and the breaker from the attenuator P.C.B. (**Fig. 4**)

3. Connection of speaker unit and direction of the terminals on the front side.

	Woofer	Midrange	Tweeter	Super Tweeter
⊕ terminal	Red	Orange	Yellow	Sky
⊖ terminal	Green	Blue	Black	White
Terminal direction	Upper right	Up	Right side	Right side

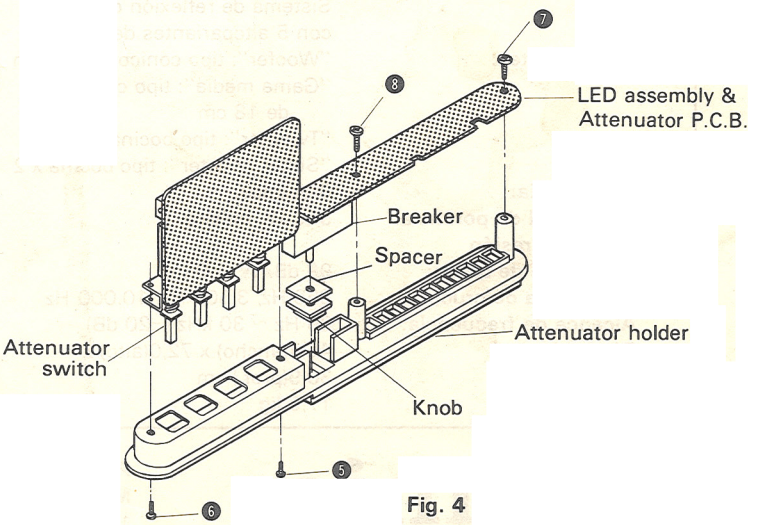
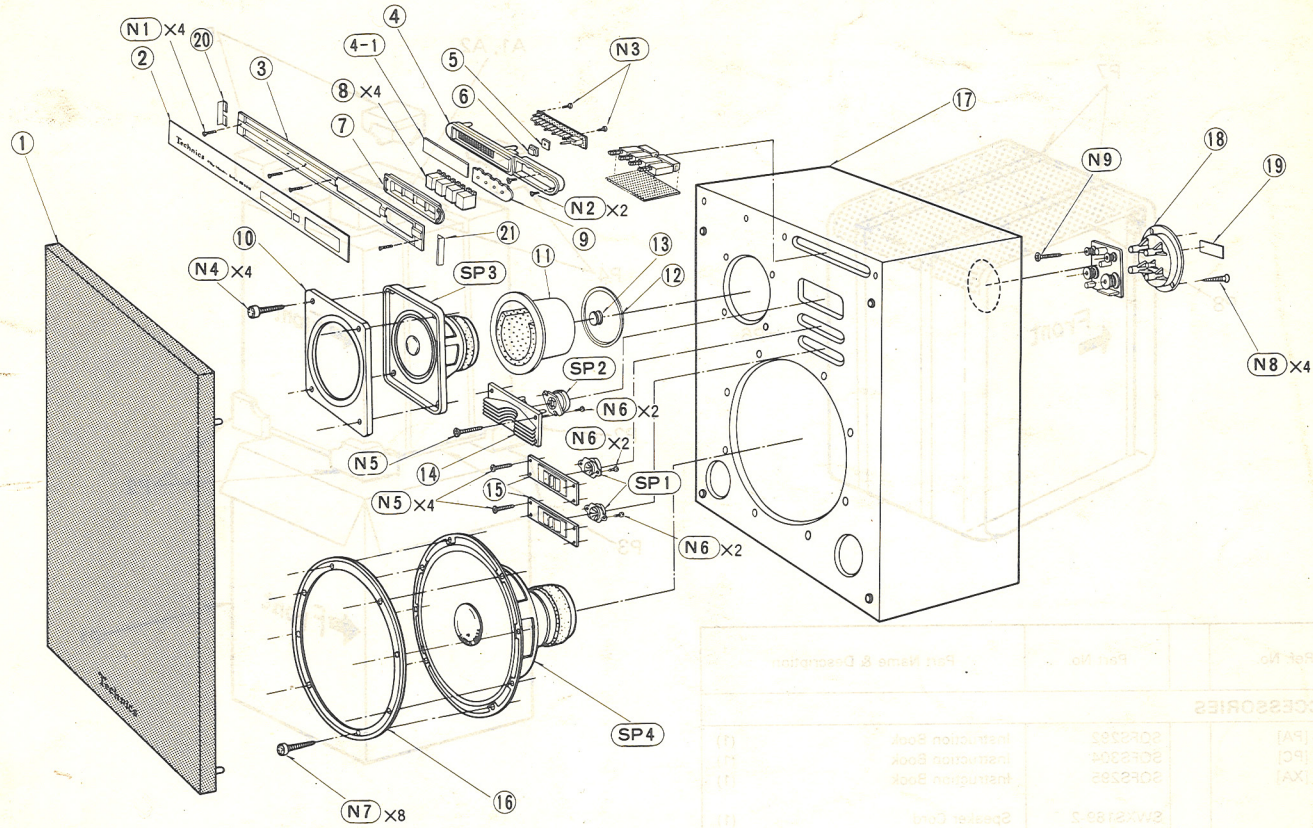


Fig. 4

■ EXPLODED VIEW



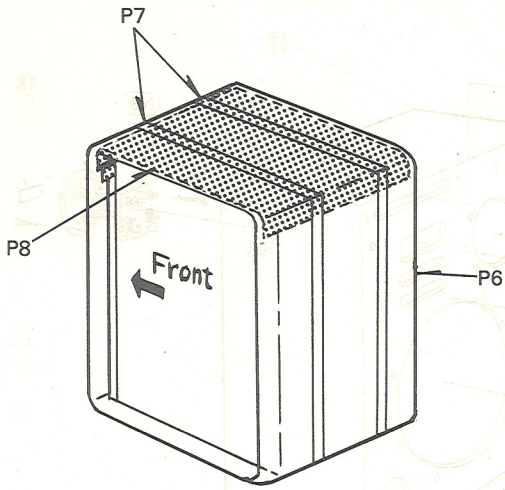
■ REPLACEMENT PARTS LIST

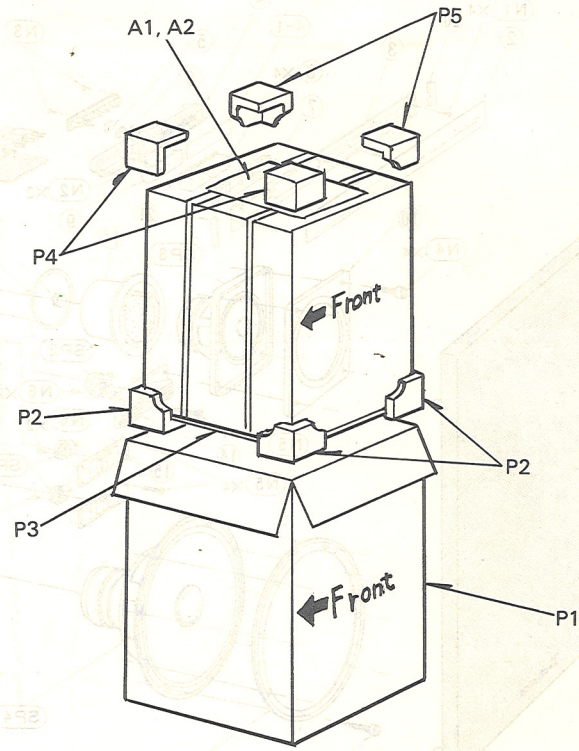
Notes: 1. Part numbers are indicated on most mechanical parts. Please use this part number for parts orders.
2. The parenthesized numbers in columns of description stand for the quantity per set.
3. Bracket indications in Ref. No. columns specify the area. Parts without these indications can be used for all areas.
4. The Ⓢ mark is service standard parts and may differ from production parts.

Ref. No.		Part No.	Part Name & Description	
SPEAKERS				
SP1		EAS3FP16A	Super Tweeter	(2)
SP2		EAS14HD13S	Tweeter	(1)
SP3		EAS18PM68S	Midrange	(1)
SP4		SASS38PL01-T	Woofer	(1)
COILS				
L1		SLCSE152JU	1.5mH	(1)
L2		SLCSA681J	0.68mH	(1)
L3		SLCSA182J	1.8mH	(1)
L4		SLCSA271K	0.27mH	(1)
CAPACITORS				
C1		ECEA100Y33K	33μF, 100V	(1)
C2		ECEA100Y15K	15μF, 100V	(1)
C3		ECEA50Y3R3K	3.3μF, 50V	(1)
RESISTORS				
R1	Ⓢ	ERD50FJ680	68Ω, 1/2W	(1)
R2	Ⓢ	ERD50FJ101	100Ω, 1/2W	(1)
R3, R4	Ⓢ	ERD50FJ681	680Ω, 1/2W	(2)
R5		ERF5AK2R7	2.7Ω, 5W (R1)	(1)
R6		ERF5AK5R6	5.6Ω 5W (R2)	(1)
DIODES				
D1~4		SVDSAA5724S	LED, Output Level	(4)
D5	Ⓢ	RVDRD6R2EB	Diode	(1)
D6~9		SVDSAA5724S	LED, Output Level	(4)
D10, 11		SVDSPR5704S	LED, Peak Level	(2)
D12	Ⓢ	MA162A	Diode	(1)
SWITCH				
S1~3		SSHS401	Level Selector	(1)
BREAKER				
B1		SSBS16AB02-1	Thermal Relay 1.6A	

Ref. No.		Part No.	Part Name & Description	
CABINET PARTS				
1		SYBS134	Grill	(1)
2		SGKS175	Ornament Plate	(1)
3		SGXS26	Base, Level Selector	(1)
4		SMES24	Holder, LED	(1)
4-1		SGKS172	Film, LED Holder	(1)
5		SHRS9091	Spacer	(1)
6		SBCS1	Knob, Breaker	(1)
7		SGXS6019	Holder, Breaker Switch	(1)
8		SBC307-3	Knob, Level Selector Switch	(4)
9		SHRS9092	Spacer, Level Selector Switch	(1)
10		SYES24	Ornament, Midrange	(1)
11		SUVS3	Back Cavity, Midrange	(1)
12		SHRS9046	Spacer, Back Cavity	(1)
13		SHG1435	Bushing, Back Cavity	(1)
14		SYES41	Ornament, Tweeter	(1)
15		SYES42	Ornament, Super Tweeter	(2)
16		SGES62	Ornament, Woofer	(1)
17 [PA, PC]		SKABG910P	Cabinet	
17 [XA]		SKABG910X	Cabi	
18		SJFS5201-1		
19		SGTS222		
20		SGES15		
21		SGES		
SCREWS				
N1				
N2				
N3				
N4				

■ PACKING





Ref. No.		Part No.	Part Name & Description	
ACCESSORIES				
A1 [PA]		SQFS292	Instruction Book	(1)
A1 [PC]		SQFS304	Instruction Book	(1)
A1 [XA]		SQFS295	Instruction Book	(1)
A2		SWXS189-2	Speaker Cord	(1)
PACKING PARTS				
P1 [PA]		SPGS220	Carton Box	(1)
P1 [PC]		SPGS220-2	Carton Box	(1)
P1 [XA]		SPGS220-1	Carton Box	(1)
P2		SPSS1030	Pad, Corner	(4)
P3		SPSS6245	Pad, Bottom	(1)
P4		SPSS9032	Pad, Corner	(2)
P5		SPSS9014	Pad, Corner	(2)
P6		SPJS2	Polyethylene Bag	(1)
P7		SPE27	Rope	(1)
P8		SPHS6030	Mat	(1)

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